

SE (580) Combat Systems Track Course Matrix (as of January 2018) – With Refresher

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|---|---|--|---|---|--|
| <b>Refresher</b><br>Summer/Winter<br>15-7 | <b>SE1001</b><br>Math I for SEA<br>(4-2)                      | <b>SE2003</b><br>Fundamentals of Mechanical Systems<br>(4-2) | <b>SE1002</b><br>Math II for SEA<br>(3-1)                   | <b>SE2101</b><br>Fundamentals of Electromagnetic Systems<br>(4-2)   |  |
| <b>QTR 1</b><br>Fall/Spring<br>16-7       | <b>SE3100</b><br>Fundamentals of Systems Engineering<br>(3-2) | <b>SE2440</b><br>Intro to Scientific Computing<br>(3-2)      | <b>OS3180</b><br>Probability and Statistics for SE<br>(4-1) | <b>SE 3112</b><br>Combat Sys Engineering I (Sensor Fund.)<br>(4-2)  | <b>SE3811</b><br>Critical Thinking<br>(2-0)    |
| <b>QTR 2</b><br>Winter/Summer<br>15-6     | <b>SI3400</b><br>Engineering Project Management<br>(3-2)      | <b>SE 3250</b><br>Capabilities Engineering<br>(3-2)          | <b>SE 3011</b><br>Engineering Cost Estimation<br>(3-0)      | <b>SE 4112</b><br>Combat Sys Engineering II (Sensors Tech)<br>(4-2) | <b>SE3812</b><br>Engineering Ethics<br>(2-0)   |
| <b>QTR 3</b><br>Spring/Fall<br>15-6       | <b>SE3302</b><br>Systems Suitability<br>(3-2)                 | <b>SE4150</b><br>System Architecting and Design<br>(3-2)     | <b>SE 3121</b><br>Introduction to C4ISR<br>(3-0)            | <b>SE 3113</b><br>Combat Sys Engineering II (Weapons)<br>(4-2)      | <b>SE3813</b><br>Technical Writing I<br>(2-0)  |
| <b>QTR 4</b><br>Summer/Winter<br>15+?-6+? | <b>SE 4115</b><br>Combat Systems Integration<br>(4-2)         | <b>SE4354/OA4603</b><br>Test & Evaluation<br>(4-0)           | <b>Track Elective</b><br>(?-?)                              | <b>SE3201</b><br>Engineering Systems Conceptualization<br>(2-4)     | <b>SE3814</b><br>Technical Writing II<br>(2-0) |
| <b>QTR 5</b><br>Fall/Spring<br>10-14      | <b>OS 4680</b><br>Naval Systems Analysis<br>(4-0)             | <b>SE 4113</b><br>Unconventional Weapons (CBNRE)<br>(3-2)    | <b>SE0811</b><br>Thesis Research<br>(0-8)                   | <b>SE3202</b><br>Engineering Systems Design<br>(2-4)                | <b>SE3000</b><br>SE Colloquium<br>(1-0)        |
| <b>QTR 6</b><br>Winter/Summer<br>7-22     | <b>EO 2701</b><br>Introduction to Cyber Systems<br>(4-2)      | <b>SE0811</b><br>Thesis Research<br>(0-8)                    | <b>SE0811</b><br>Thesis Research<br>(0-8)                   | <b>SE3203</b><br>Engineering Systems Implementation<br>(2-4)        | <b>SE3000</b><br>SE Colloquium<br>(1-0)        |
| <b>QTR 7</b><br>Spring/Fall<br>7+? – 16+? | <b>SE Elective</b><br>(?-?)                                   | <b>SE Elective</b><br>(?-?)                                  | <b>SE0811</b><br>Thesis Research<br>(0-8)                   | <b>Track Elective</b><br>(?-?)                                      | <b>SE3000</b><br>SE Colloquium<br>(1-0)        |

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| Foundation Skills                             |
| SE Core                                       |
| SE Electives                                  |
| Track Courses                                 |
| Thesis Slots                                  |
| Project Sequence                              |
| Graduate Success/<br>Professional Development |